Combined Index to ASTM Technical Papers and Reports—1969

This is an index to all papers published by ASTM during 1969 in *MR&S*, in the *Journal of Materials*, and in *Special Technical Publications*. Also included are references to those committee reports that include data published in the 1967, 1968, and 1969 *ASTM Proceedings*. The following abbreviations are used. See *MR&S* news index on page 72.

MR&S———*Materials Research & Standards*
JOM———*Journal of Materials*
STP———*Special Technical Publication*
Proc.———*ASTM Proceedings*

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head of environmental engineering at Rensselaer Polytechnic Institute. (4 September). In 1965 Professor Kilcawley was awarded honorary memberships by ASTM, and the Committee on Soil and Rock for engineering purposes of the Society.

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MR&S News Index—1969

This is an Index to the news columns of *MR&S* for Volume 9, 1969

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For the Laboratory

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and they are currently available with capacities from 5,000 lbs. to 100,000 lbs. for compression loading.
Morehouse Instrument Co. **400**

Computing calculator system, offering a choice of two desktop calculators, includes a variety of peripheral accessories and a program library. This versatile system is relatively inexpensive, does not require special computer training to use, yet it outperforms some computers. All the elements in this new calculator system 9100 are compatible. The user may choose the model 9100A calculator, capable of solving a large number of his routine engineering and scientific problems, or he can choose the more sophisticated model 9100B which has double the memory plus subroutine capability to handle more complex problems. The peripherals work with either calculator without modification. They simply plug in.
Hewlett Packard **401**

Digital recording gaging system for inspecting crankshafts has been developed. The new system provides digital printout of 20 critical dimensions on paper tape and reports the time of inspection and the identity of the lathe and grinder which processed the part. It also checks whether eight oil holes are present in the shaft and open. The system permits a more thorough, accurate and faster analysis of a crankshaft. Output terminals allow direct input of data to a computer for analysis, feedback and preventive maintenance. Gaging and recording are fully automatic and up to 80 crankshafts can be examined per hour. Following the automatic sequence, the operator can operate the system manually for additional checks of any dimension.
Bendix Automotive and Automation Co. **402**

A compact eddy current instrument for jobsite detection of surface and near-surface cracks in nonmagnetic materials has been developed. The 6 lb ED–520 also can sort materials according to such properties as hardness, alloy type, carbon content, heat treat condition, tensile strength, and grain structure where these relate to changes in magnetic and electrical qualities of the test part. The ED–520 instrument can be used in receiving inspection, process control, final inspection, research, and maintenance. The unit can function continuously for 24 h on rechargeable, built-in batteries. Its uncomplicated operation and portability makes it useful for testing in foundries, heat treat shops, manufacturing plants, and other operations where aids are needed quickly to establish product reliability.
Magnaflux Corp. **403**